

INTRODUCING

HEXLOCK™

WHY HEXLOCK?

Straight-pull rifles are not new. The concept and a wide variety of designs have existed since the 1800s. European hunters prefer straight-pull rifles for fast cycle times, and easy handling. American shooters, though, rely on the conventional operation of traditional bolt actions. These designs are known for reliability and potential for accuracy. But what if you could have all three—reliability, accuracy, and speed. The new Savage Impulse does just that. Impulse is as robust and accurate as Savage's proven 110 bolt action, and as fast as any straight-pull ever made.



Ever since the conventional bolt-action was conceived, manufacturers have looked for a way to smooth out the action. Even so, cycling requires four distinct motions. After a round is fired, the bolt handle must come up, then move back, then forward, and then down again. Straight-pull actions eliminate half of the motions. There is no need to lift your cheek off the riser to orient yourself in relation to the bolt. You can keep your eye on target through the scope as you run the bolt straight back and forward again. The motion is far more intuitive. Because you no longer have to lift up the handle, or force it back down, cycling Impulse's bolt is more ergonomic and can be much faster.

Yet early straight-pull designs left many weary of reliability and safety. If the bolt is free to travel in a straight line and doesn't have the added security that comes from cranking a bolt handle down into a slot in the receiver, it stands to reason that the bolt could fail and fly back at the shooter. This fear was enough to scare some shooters away from the design. This issue was at the heart of Savage's design challenge when they tackled Impulse.

From a distance, the new American made Impulse looks like a traditional bolt action rifle—and for good reason. Savage has drawn on more than a century of bolt-action expertise to design Impulse. The difference will become apparent when you cycle the bolt. With Impulse's intuitive bolt throw, shooters simply slide the bolt straight to the rear and forward into battery in one incredibly fast, exceptionally efficient out-and-back motion.

THE AMERICAN-MADE STRAIGHT-PULL RIFLE

At the heart of the new action is Hexlock, a proven ball-bearing locking mechanism. When Impulse's bolt handle is fully closed, a plunger is seated forward in the interior of the bolt body, forcing six ball bearings outward to lock into a machined recess in the barrel extension. When a round is fired, the ball bearings tighten relative to pressure increase and provide a robust lockup for safety. The strength of Hexlock allows the rifle to handle magnum cartridges and high-pressure rounds.

After a round is fired, pressure subsides, and the bolt is ready to be cycled. Once the bolt handle is opened, the plunger recedes and releases the ball bearings, allowing the action to be opened. Impulse also has a single-step quick-release button on the back-end of the bolt which can be used to unlock the bolt handle for easy ejection of a live round. In either case, Impulse's rotary bolt handle aids in primary extraction, giving the bolt operation a mechanical advantage.

With its inherent safety, speed and accuracy, Impulse provides an entirely new option for anyone looking for a competitive edge.

Find out more at savagearms.com/impulse



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STRAIGHT PULL BOLT ACTION DESIGN ||||| INNOVATIVE TECHNOLOGIES ||||| SAFETY FOCUSED